

# SEQUENCE LISTING

<110> Case, Casey C.  
Urnov, Fyodor

<120> GENE IDENTIFICATION

<130> S7.US3 / 8325-0007.20

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<150> 09/395,448

<151> 1999-09-14

<160> 23

<170> PatentIn Ver. 2.1

<210> 1

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<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence:exemplary motif  
of C2H2 class of zinc finger proteins (ZFP)

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<222> (2)..(3)

<223> Xaa = any amino acid

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<223> Xaa = any amino acid, may be present or absent

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Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa

1

5

10

15

103230054450



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<223> n = g, a, c or t

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<223> Description of Artificial Sequence:linker

TOBEBD"OST4560

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 <223> Description of Artificial Sequence:ZFP sequence in control construct

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 Lys Val Tyr Gly Gly His Asp Thr Val Val Gly His Leu Arg Trp His  
 20 25 30  
 Thr Gly Glu Arg Pro Phe Met Cys Thr Trp Ser Tyr Cys Gly Lys Arg  
 35 40 45  
 Phe Thr Ala Ala Asp Glu Val Gly Leu His Lys Arg Thr His Thr Gly  
 50 55 60  
 Glu Lys Lys Phe Ala Cys Pro Glu Cys Pro Lys Arg Phe Met Leu Val  
 65 70 75 80  
 Val Ala Thr Gln Leu His Ile Lys Thr His Gln Asn Lys Lys Gly Gly  
 85 90 95

Ser

<210> 14  
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<220>  
 <223> Description of Artificial Sequence:designed ZFP construct (from KpnI to BamHI) targeting 9-base pair target site in VEGF promoter

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103230 "054450



Asp His Leu Ser Lys His Ile Lys Thr His Gln Asn Lys Lys Gly Gly  
85 90 95

Ser

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hVEGFU1

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VEGFD2

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hVEHFU2

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<223> Description of Artificial Sequence:PCR primer  
VEGFD

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gcagaaagtc catggtttcg gaggcc 26

T05230-034450